

## ABSTRACT OF THE DISCLOSURE

A halftoning apparatus free of the occurrence of moiré and other artifacts under a simple technique.

- 5 In the apparatus, the estimating section calculates the pixel value of the noteworthy pixel, which is to be converted into a binary value, based on other pixel values than that of the noteworthy pixel, and the binarizing section converts the multilevel value of
- 10 the noteworthy pixel into a binary value.